

ABSTRACT OF THE DISCLOSURE

A lighting system for stage, theatrical and architectural lighting, comprising a frame for supporting a plurality of light emitting diodes. The diodes are mounted to the frame so that each diode is both secured to the frame and also simultaneously positioned wherein each discrete diode light beam is directed to a prescribed remote focal point (target zone) and thereupon directed to a predetermined illumination area. Electrical power for transmitting and controlling electrical voltage to light emitting diodes by electrical circuitry integral with the frame. The frame can be configured as any hollow volume such a cone, a semi-ellipse, and a semi-sphere or can be configured as planar. Flexible blanks having apertures and pads for electrical connections can be used to construct rigid frames. An imaging gate a collimating lens and a focusing lens can be interposed between the frame and the illumination area. The frame can also be a sandwich frame having positive and negative electrically conductive layers interposed between layers of biasable insulating foam.